

Certification Exhibit

**FCC ID: 2ABLX-ZIG24DECO
IC: 8832A-ZIG24DECO**

**FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-210**

ACS Project Number: 15-0094

**Manufacturer: Qmotion Incorporated
Model: QZR-ZIG2400**

RF Exposure

General Information:

Applicant: Qmotion Incorporated
Environment: General Population/Uncontrolled Exposure
Exposure Conditions: Portable (Hand-held)

Technical Information:

Minimum Test Separation Distance: 5 mm
Highest Operating Frequency: 2480 MHz
Antenna Type: Inverted F
Antenna Gain: 3.3dBi
Maximum Transmitter Conducted Power: 1.95 dBm, 1.57 mW
Maximum Transmitter EIRP: 5.25 dBm, 3.35 mW

Justification for SAR Test Exclusion (FCC):**Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v05r02, the standalone 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

$$= (2 / 5) \cdot (\sqrt{2.480}) = 0.6$$

0.6 < 7.5

Standalone SAR test exclusion is applied.

Justification for SAR Test Exclusion (IC):

The SAR test exclusion thresholds are determined using draft IC RSS-102 Issue 5, section 2.5.1 Table 1.

Maximum Conducted or Equivalent Isotropically Radiated power (EIRP): 3.35 mW
The linear interpolated threshold of table 1 for 2480 MHz at a separation distance of 5 mm is determined as 4 mW.

3.35 mW < 4 mW

SAR test exclusion is applied.